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Application Number		10828934
Filing Date		2004-04-21
First Named Inventor	Gorenstein	
Art Unit	1639	
Examiner Name	Steele, Amber D.	
Attorney Docket Number	UTMB:1022	

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	5	5668265		1997-09-16	NADEAU, et al.	
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	9	5801154		1998-09-01	BARACCHINI, et al.	
	10	5844106		1998-12-01	SEELA, et al.	
	11	6171792	B2	2001-01-09	BRENT, et al.	
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2	20010014479	A1	2001-08-16	HUTCHENS, et al.	
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3	99/54506	WO	A1	1999-10-28	LI		<input type="checkbox"/>
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	1	AMARZGUIOUI, M., et al., Nuc Acids Res, 31, 589-595, (2003) – Tolerance for mutations and chemical modifications in a siRNA	<input type="checkbox"/>
	2	ANDREOLA, M., et al., "Towards the Selection of Phosphorothioate Aptamers: Optimizing In Vitro Selection Steps with Phosphorothioate Nucleotides," European Journal of Biochemistry 267:5032-5040	<input type="checkbox"/>
	3	BRAASCH, D.A., et al., Nucleic Acids Res, 30(23), 5160-7 (2002) -Antisense inhibition of gene expression in cells by oligonucleotides incorporating locked nucleic acids: effect of mRNA target sequence and chimera design	<input type="checkbox"/>
	4	BRAASCH, D.A. AND D.R. COREY, Biochemistry, 41, 4503-4510 (2002) - Novel antisense and peptide nucleic acid strategies for controlling gene expression	<input type="checkbox"/>
	5	CAPLEN, N.J., et al., PNAS, 98, 9742-9747 (2001) – Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems.	<input type="checkbox"/>
	6	CASSIDAY, L., et al., "In Vivo Recognition of an RNA Aptamer by its Transcription Factor Target," Biochemistry (2001), 40:2433-3438	<input type="checkbox"/>
	7	CHI, J.T., PNAS, 100(11), 6343-6 (2003) - Genomewide view of gene silencing by small interfering RNAs.	<input type="checkbox"/>

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8	DOUCETTE, et al., Proteomics (2001), 1:987-1000, Investigation of the Applicability of a Sequential Digestion Protocol Using Trypsin and Leucine Aminopeptidase M for Protein Identification by Matrix-Assisted Laser Desorption/Ionization-Time of Flight Mass Spectrometry	<input type="checkbox"/>
9	ELBASHIR, et al., "RNA Interference is Mediated by 21- and 22- nucleotide RNAs," Genes and Development (2001), 15:188-200	<input type="checkbox"/>
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12	FIRE, et al., Nature, 391, 806 (1998) – Potent and specific genetic interference by dsRNA in C.elegans	<input type="checkbox"/>
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14	HU, W., et al., Curr Biol, 12, 1301-1311 (2002) – Inhibition of retroviral pathogenesis by RNA interference.	<input type="checkbox"/>
15	JACKSON, A.L., et al., Nat Biotech, 21(6), 635-637 (2003) – Expression profiling reveals off-target gene regulation by RNAi.	<input type="checkbox"/>
16	JACQUE, J.M., et al., Nature, 418, 435-438 (2002) – Modulation of HIV-1 replication by RNA interference.	<input type="checkbox"/>
17	JANSEN, B. AND U. ZANGEMEISTER-WITTE, Lancet Oncol, 3, 672-683 (2002) – Antisense therapy for cancer--the time of truth.	<input type="checkbox"/>
18	KANAORI, et al., "Effect of Phosphorothioate Chirality on i-Motif Structure and Stability," Biochemistry (2004), 43:5672-5679	<input type="checkbox"/>

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19	KAWASAKI, H., et al (Taira), Nuc Acids Res, 31(3), 981-987 (2003) – siRNAs generated by recombinant human Dicer include specific and significant but target site-independent gene silencing in human cells.	<input type="checkbox"/>
20	KING, D. et al., "Combinatorial Selection and Binding of Phosphorothioate Aptamers Targeting Human NF-kappa B RelA (p65) and p50," Biochemistry (2002), 41:9696-9706	<input type="checkbox"/>
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22	KOLLER, E., et al., Trends Pharm Sci, 21, 142-148 – Elucidating cell signaling mechanisms using antisense technology.	<input type="checkbox"/>
23	LESCAR, J., et al., Cell 105(1), 137-48. (2001) - The fusion glycoprotein shell of Semliki Forest virus: an icosahedral assembly primed for fusogenic activation at endosomal pH.	<input type="checkbox"/>
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26	NOVINA, C.D., et al., Nat Med, 8, 681-686 (2002) – siRNA-directed inhibition of HIV-1 infection	<input type="checkbox"/>
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30	RAVEH, S., "Peptidic Determinants and Structural Model of Human NDP kinase B Bound in Single-Stranded DNA," Biochemistry (2001), 40:5882-5893	<input type="checkbox"/>
31	SAZANI, et al., "Nuclear Antisense Effects of Neutral Anionic and Cationic Oligonucleotide Analogs," Nucleic Acids Research (2001), 29:3965-3974	<input type="checkbox"/>
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35	UEDA, TAKUYA, et al. (1991) Phosphorothioate-containing RNAs show mRNA activity in the prokaryotic translation systems in vitro. Nucleic Acids Research, Vol. 19, No. 3, pp. 547-552.	<input type="checkbox"/>
36	XIA, H.B. et al. Nat Biotech, 20, 1006-1010 (2002) – siRNA-mediated gene silencing in vitro and in vivo.	<input type="checkbox"/>
37	YANG, X., et al., "Construction and Selection of Bead-Bound Combinatorial Oligonucleoside Phosphorothioate and Phosphorodithioate Aptamer Libraries Designed for Rapid PCR-Based Sequencing," Nucleic Acid Research (2002), 30:132-140	<input type="checkbox"/>
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☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

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Signature	/chaaney singleton/	Date (YYYY-MM-DD)	2007-08-27
Name/Print	Chaaney P. Singleton	Registration Number	53598

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